AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Previously Presented) A method of determining communications channel performance, comprising:

calculating a data communications speed of the communications channel based on records used for high-speed access qualification;

determining an actual data communications speed of the communications channel;

comparing the calculated data communications speed and the actual data communications speed to determine if the records are accurate; and

generating a value for updating the records in response to a difference between the calculated data communications speed and actual data communications speed.

3. (Original) The method of claim 2, further comprising providing a user interface to display content of the records stored in the database.

4. (Original) The method of claim 3, wherein generating the value comprises receiving user modification of the content of the records displayed in the user interface.

5. (Previously Presented) The method of claim 2, wherein calculating the data communications speed of the communications channel comprises calculating the data communications speed of a Digital Subscriber Line subscriber loop.

6. (Original) The method of claim 5, wherein determining the actual data communications speed comprises accessing a value in a Digital Subscriber Line access module.

7. (Previously Presented) The method of claim 2, further comprising accessing the records in a database system, the records containing at least one of the following information: insulation type of a cable included in the communications channel; a percentage of a large gauge section of the cable; a percentage of a small gauge section of the cable; a gauge size of the large gauge section; a gauge size of the small gauge section of the cable; an installation technique of the large gauge section; and an installation technique of the small gauge section.

8. (Previously Presented) The method of claim 2, further comprising accessing the records in a database system, the records containing at least one of the following information: insulation type of a cable included in the communications channel; a percentage of a large gauge section of the cable; a percentage of a small gauge section of the cable; a gauge size of the large gauge section; a gauge size of the small gauge section of the cable; an installation technique of the large gauge section; an installation technique of the small gauge section; a filling type for the large gauge section; a filling type for the small gauge section; an indication of a region at which the cable is located; an indication of a distance of a communications channel segment between a Digital Subscriber Line access module and a wire distribution frame; and an indication of a gauge of a cable in the communications channel segment between the Digital Subscriber Line access module and wire distribution frame.

9. (Previously Presented) The method of claim 2, wherein calculating the data communications speed of the communications channel based on the records comprises calculating the data communications speed of the communications channel based on the records indicating physical characteristics of the communications channel.

10. (Original) The method of claim 9, wherein calculating the data communications speed further comprises determining electrical characteristics based on the records indicating physical characteristics of the communications channel.

11. (Original) The method of claim 10, wherein calculating the data communications speed comprises causing test equipment to probe the communications channel to determine a length of the communications channel.

12. (Original) The method of claim 10, wherein calculating the data communications speed of the communications channel comprises calculating the data communications speed of a Digital Subscriber Line subscribe loop.

13. (Previously Presented) The method of claim 2, further comprising:

calculating an updated data communications speed of the communications channel based on the updated records; and

comparing the updated data communications speed with the actual data communications speed to determine if a difference exists between the updated data communications speed and the actual data communications speed.

14. (Original) The method of claim 13, further comprising generating another value to update the records in response to the difference between the updated data communications speed and the actual data communications speed.

15. (Previously Presented) The method of claim 2, wherein calculating the data communications speed of the communications channel comprises calculating the data communications speed of a communications channel between customer premise equipment and an access module.

16. (Previously Presented) The method of claim 2, wherein calculating the data communications speed of the communications channel comprises calculating the data communications speed of a group of plural subscriber loops coupled to respective plural customer premise equipment.

17. (Original) An article comprising at least one storage medium containing instructions that when executed cause one or more systems to:

access records pertaining to characteristics of a communications channel;

determine variance between a predicted data communications speed of the communications channel based on the records and an actual data communications speed of the communications channel; and

update the records based on the determined variance.

18. (Original) The article of claim 17, wherein the instructions when executed cause the one or more systems to access the records pertaining to the characteristics of a Digital Subscriber Line subscriber loop.

19. (Previously Presented) The article of claim 18, wherein the instructions when executed cause the one or more systems to access records pertaining to physical characteristics of Digital Subscriber Line subscriber loop.

20. (Original) The article of claim 17, wherein the instructions when executed cause the one or more systems to access records pertaining to the characteristics of a group of Digital Subscribe Line subscriber loops, the communications channel comprising the group of Digital Subscribe Line subscriber loops.

21. (Original) The article of claim 17, wherein the instructions when executed cause the one or more systems to further calculate the predicted data communications speed based on the records.

22. (Original) The article of claim 17, wherein the instructions when executed cause the one or more systems to further provide a graphical user interface to display the records.

23. (Original) The article of claim 22, wherein the instructions when executed cause the one or more systems to update the records in response to user input of one or more updated values.

24. (Original) The article of claim 17, wherein the instructions when executed cause the one or more systems to further determine the actual data communications speed by accessing a value in a Digital Subscribe Line access module.

25. (Original) The article of claim 17, wherein the instructions when executed cause the one or more systems to further perform a loop qualification process of the communications channel using the updated records to qualify the communications channel for Digital Subscribe Line data access.

26. (Currently Amended) A system comprising:

an interface ~~adapted~~ configured to access records pertaining to characteristics of a communications channel; and

a controller ~~adapted~~ configured to receive an estimated bandwidth of the communications channel that is calculated based on the records;

the controller ~~adapted~~ configured to receive an indication of an actual bandwidth of the communications channel;

the controller ~~adapted~~ configured to compare the estimated bandwidth with the actual bandwidth and to update the records to reduce a variance between the calculated bandwidth and the estimated bandwidth in response to the comparing.

27. (Original) The system of claim 26, wherein the communications channel comprises a Digital Subscriber Line subscriber loop.

28. (Previously Presented) The method of claim 2, wherein generating the value for updating the records comprises generating the value that is for adjusting a value contained in the records in response to the difference being greater than a predefined threshold.

29. (Previously Presented) The article of claim 17, wherein updating the records comprises updating the records to change at least a value in the records in response to determining that the variance exceeds a predefined threshold.

30. (Previously Presented) The system of claim 26, wherein the records are updated by changing at least a value in the records in response to determining that the variance is greater than a predefined threshold.

31. (New) The article of claim 17, wherein the instructions when executed cause the one or more systems to:

calculate an updated predicted data communications speed of the communications channel based on the updated records and the actual data communications speed of the communications channel; and

determine a variance between the updated predicted data communications speed and the actual data communications speed.

32. (New) The article of claim 31, wherein the instructions when executed cause the one or more systems to generate another value to further update the records in response to the variance between the updated predicted data communications speed and the actual data communications speed.

33. (New) The system of claim 26, wherein the controller is configured to further:

calculate an updated estimated bandwidth of the communications channel based on the updated records; and

compare the updated estimated bandwidth with the actual bandwidth to determine a variance between the updated estimated bandwidth and the actual bandwidth.

34. (New) The system of claim 33, wherein the controller is configured to generate a value to further update the records in response to the variance between the updated estimated bandwidth and the actual bandwidth.